Node 1 MDM State Transitional Matrixes

	N1-2 Transition				
Initial N1-1 State	**Prim => Off, Diag**	**Prim => Stdby**	**Off/Diag => Prim**	**Stdby => Prim**	**Stdby => Diag/Off**
Primary	**1**	**1**	**B**	**B**	**D**
Secondary	**A**	**A**	**1**	**1**	**3**
Standby	**A**	**A**	**1**	**1**	**3**
Diag/Off	**2**	**3**	**C(TBD)**	**1**	**3**

	N1-1 Transition						
Init N1-2 State	**Prim => Sec**	**Prim =>Off/Diag**	**Prim => Stby**	**Sec => Off/Diag/Stby**	**Off/Diag => Prim**	**Off/Diag/Stby => Sec**	**Stby => Off/Diag**
Primary	**1**	**1**	**1**	**G**	**1**	**I**	**J**
Standby	**E**	**F**	**F**	**1**	**1**	**1**	**3**
Diag/Off	**3**	**2**	**3**	**1**	**H(TBD)**	**1**	**3**

ACTIONS

A = Transitioning N1-2 to Dgnstc/Stdby/Off from Prim & N1-1 to Prim from Stby/Sec
B = Transitioning N1-2 to Prim from Off/Dgnstc/Stby while N1-1 is Prim
C = Transitioning N1-2 to Prim from Off/Dgnstc while N1-1 is Off/Dgnstc
D = Transitioning N1-2 to Dgnstc from Stby while N1-1 is Prim
E = Transitioning N1-1 to Sec from Prim & N1-2 to Prim from Stby
F = Transitioning N1-1 to Off/Dgnstc/Stby from Prim & N1-2 to Prim from Stby
G = Transitioning N1-1 to Off/Dgnstc/Stby from Sec while N1-2 is Prim
H = Transitioning N1-1 to Prim from Off/Dgnstc while N1-2 is Off/Dgnstc
I = Transitioning N1-1 to Sec from Off/Dgnstc/Stby while N1-2 is Prim
J = Transitioning N1-1 to Off/Dgnstc from Stby while N1-2 is Prim

RESULTING STATES

N1-1=Prim	**N1-2=Off/Dgnstc/Stby**
N1-1=Sec	**N1-2=Prim**
N1-1=Off/Dgnstc	**N1-2=Prim**
N1-1=Prim	**N1-2=Dgnstc**
N1-1=Sec	**N1-2=Prim**
N1-1=Off/Dgnstc/Stby	**N1-2=Prim**
N1-1=Off/Dgnstc/Stby	**N1-2=Prim**
N1-1=Prim	**N1-2=Off/Dgnstc**
N1-1=Sec	**N1-2=Prim**
N1-1=Off/Dgnstc	**N1-2=Prim**

Notes:
1 = Illegal States
2 = Operationally Feasible, but will lose both boxes at 2 A.
3 = Unstable States. Feasible, but will automatically go back to the original configuration.